

Broken neutral test case

DRN5

FUNCTION

DRN5 is a load accessory for low-voltage network under voltage, aimed at helping operators in their research, localization and fixing of broken neutral.

DRN5 is in the form of an unbalanced load three-phase suitcase 5 kW, secured electrically and thermally.

It can be used on any access point of the low-voltage network under voltage, after disconnection of subscribers, and it allows to quickly highlight the existence of a broken neutral or not.

DRN5 is also used to check after repairing, right before the reconnection of the subscribers.

PRINCIPLES OF USE

DRN5 connects easily to any access point of the low-voltage network under voltage via its crocodile grips and charges each phase following unbalanced values.

The case does automatically the measure of the 3 voltages, which algebraic sum allows to quickly detect a broken neutral if this value is not null.

- ♦ Delayed load cycle, automatic and secured
- ♦ Thermal protections in case of overheating
- ♦ Electrical protections via differential circuit breaker and fuses
- ♦ Connection to the ground not necessary, class 2
- ♦ Detection light of broken neutral
- ♦ Switch for the selection and visualization of measured voltages
- ♦ Possibility to connect an echometer for the localization of the defect

TECHNICAL SPECIFICATIONS

Power supply	230/400 V AC - 50/60 Hz
Dimensions	474 x 415 x 214 mm
Weight	10 kg
Degree of protection	IP 22
Consumption	5 kVA
Principle of operation	Technology with resistors



Tél. +33 (0) 494 083 198

167, impasse de la Garrigue
83210 La Farlède

contact@made-sa.com
www.made-sa.com



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